

IN THE SPECIFICATION:

Please insert the following new paragraph after the Title and before the "TECHNICAL FIELD":

-- RELATED APPLICATIONS

This application is the U.S. National Phase under 35 U.S.C. § 371 of International Application No. PCT/JP2006/300058, filed on January 6, 2006, which in turn claims the benefit of Japanese Application No. 2005-003579, filed on January 11, 2005, the disclosures of which Applications are incorporated by reference herein. –

Please amend the paragraph beginning on page 1 at line 13 as follows:

A lithium secondary battery that is used for a main power source of mobile communication devices and mobile electronic devices has features of high electromotive force, and high energy density. A battery using a carbon material that can store and emit lithium ions as a negative electrode material in place of lithium metal is now practiced. However, the carbon material represented by graphite is limited in the amount of lithium ions that can be stored, and theoretical capacity density of the material is 372 mAh/g, which is about 10% of theoretical capacity density of lithium metal.

Please amend the paragraph beginning on page 1 at line 22 as follows:

Thus, in order to increase capacity of the lithium secondary battery, a material containing silicon is noticed as a negative electrode material having larger theoretical capacity density than that of the carbon material. The theoretical capacity density of silicon is 4199 mAh/g, which is large compared with lithium metal as well as graphite.

Please delete the paragraph beginning on page 6 at line 9 as follows:

DESCRIPTION OF REFERENCE NUMERALS AND SIGNS

~~1 basic material particle~~

~~2, 2A carbon material~~

~~3, 3A film containing silicon oxide~~

~~4 seal plate~~

~~5, 5A positive electrode~~

~~6 positive electrode lead~~

~~7, 7A negative electrode~~
~~8 negative electrode lead~~
~~9, 9A separator~~
~~10 frame~~
~~11 metal case~~
~~12 negative electrode terminal~~
~~13 positive electrode can~~
~~14 negative electrode can~~
~~15 gasket~~

Please amend the paragraph beginning on page 6 at line 26 and bridging page 7 as follows:

In the present invention, a material containing silicon that is high in capacity density but large in volume expansion is used for the basic material particle; a part of a surface of the particle is adhered with a carbon material having high conductivity, and remained surface portions are covered with a film containing a silicon oxide. The film can act a protective film after construction of a battery.

Please amend the paragraph beginning on page 14 at line 18 and bridging page 15 as follows:

Positive electrode 5 is connected with positive electrode lead 6, and negative electrode 7 is connected with negative electrode lead 8. Positive electrode 5 and negative electrode 7 are combined via separator 9, and stacked or wound such that a lateral section is in an approximately elliptic pattern. These are inserted into rectangular metal case 11. Positive electrode lead 6 is connected to seal plate 4 electrically connected to metal case 11. Negative electrode lead 8 is connected to negative electrode terminal 12 attached to seal plate 4. Negative electrode terminal 12 is electrically isolated from seal plate 4. Insulative frame 10 is disposed below seal plate 4 to prevent negative electrode lead 8 from ~~being connected to~~ touching metal case 11 or seal plate 4. Furthermore, an electrolytic solution prepared by dissolving a supporting salt in an organic solvent is poured, then an opening (not shown) of metal case 11 is sealed by seal plate 4, thereby the rectangular lithium secondary battery is formed.